

[Sign in](#)
[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

Datawarehousing concepts

[Search](#)[Advanced Search](#)[Preferences](#)**Web**Results 1 - 10 of about 1,690,000 for **Datawarehousing concepts**. (0.49 seconds)Did you mean: **[Data warehousing](#)** concepts

Sponsored Links

[Data Warehousing Concepts](#)

Key data warehousing concepts. ... Several concepts are of particular importance to data warehousing. They are discussed in detail in this section. ...

[www.1keydata.com/datawarehousing/concepts.html](#) - 7k -

[Cached](#) - [Similar pages](#)

[Datawarehousing](#)

Learn Datawarehousing Concepts, Best Practices.
[freedatawarehouse.com](#)

[Data Warehousing Concepts](#)

Data Warehousing Concepts. This chapter provides an overview of the Oracle data warehousing implementation. It includes:.. What is a Data Warehouse? ...

[www.lc.leidenuniv.nl/awcourse/oracle/server.920/a96520/concept.htm](#) -

20k - [Cached](#) - [Similar pages](#)

[Datawarehousing Concepts](#)

Find Solutions for Your Business.
Free Reports, Info. & Registration!
[www.KnowledgeStorm.com](#)

[Data Warehousing: Concepts](#)

Data Warehousing: Concepts provides an overview of data warehousing concepts.

[www.dpec.com/catalog/dwhc01.htm](#) - 6k - [Cached](#) - [Similar pages](#)

[IBM DB2 UDB for iSeries and AS/400: Data Warehousing Concepts](#)

White paper that introduces the concept of a data warehouse and the key advantages to building a data warehouse with iSeries & DB2 UDB.

[www-1.ibm.com/servers/eserver/iseries/db2/dataware.htm](#) - 55k - [Cached](#) - [Similar pages](#)

[About OR OR Topics - Data Warehousing & Business Intelligence ...](#)

OR Topics - **Data Warehousing** & Business Intelligence. OVERVIEW. **Data warehousing concepts.** Data warehouse. A data warehouse is a central repository ...

[www.orsoc.org.uk/about/topic/projects/elwood/Concepts.htm](#) - 30k -

[Cached](#) - [Similar pages](#)

[Data Warehousing Concepts](#)

Data Warehousing online training provides an overview of data warehousing concepts, including their use, components, and structures.

[www.staffkit.com/learn/course/dwhc01eoil.htm](#) - 10k - [Cached](#) - [Similar pages](#)

[Data Warehousing Concepts](#)

- Data Warehouse Concepts and Architecture Interview Questions Get Career Tips, Career advice, Learn about the interview procedures in Major companies, ...

[www.geekinterview.com/Interview-Questions/Data-Warehouse/Concepts-and-Architecture](#) -
20k - [Cached](#) - [Similar pages](#)

[Brainbench - Predicting Employee Success](#)

Our Data Warehousing Concepts test measures your knowledge of the most important aspects of data warehousing. Designed for both programmers and ...

[www.brainbench.com/xml/bb/common/testcenter/taketest.xml?testId=79](#) - 19k -

[Cached](#) - [Similar pages](#)

[TDWI Data Warehousing Concepts and Principles: An Introduction to ...](#)

TDWI is the premier provider of in-depth, high quality education and research in the Business Intelligence and **data warehousing** industry.

www.tdwi.org/education/FastTrack/courses2.aspx?session_code=458 - 23k -
[Cached](#) - [Similar pages](#)

Data warehousing concepts

Submit IT articles, white papers, case studies for software and IT industry.
www.e-isn.com/home/article.php?article_id=162 - 18k - [Cached](#) - [Similar pages](#)

Did you mean to search for: **Data warehousing concepts**

Gooooooooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [**Next**](#)

Free! Speed up the web. [Download the Google Web Accelerator](#).

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied?](#) [Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google

[Sign in](#)
[Web](#) [Images](#) [Groups](#) [News](#) [Froogle](#) [Local](#) [more »](#)

ETL

[Search](#)[Advanced Search](#)[Preferences](#)**Web**

Results 1 - 10 of about 8,510,000 for ETL. (0.16 seconds)

Is ETL Becoming Obsolete?

[www.sunopsis.com](#) "E-LT" is a Better Approach. Download White Paper to Learn More.

Sponsored Links

Sponsored Links

Real-Time ETL

[www.DataMirror.com](#) Use a real time ETL tool to eliminate batch loads. Learn more.

WebCast: ETL and Beyond

Find out when to use ETL vs. more advanced integration techniques.
[www.iwaysoftware.com](#)

ETL - Computerworld

ETL stands for **extract, transform and load**, the processes that enable companies to move data from multiple sources, reformat and cleanse it,

...
[www.computerworld.com/databasetopics/businessintelligence/datawarehouse/story/0,10801,89534,00.html](#) - 82k -
[Cached](#) - [Similar pages](#)

Data Migration Tool

Integrate Data in Weeks, Not Months With DT/Studio - Free Trial!
[www.Embarcadero.com](#)

Intertek, ETL SEMKO - Product Testing and Certification

Provides testing and certification services for electrical safety, EMC and performance and benchmarking.

[www.intertek-etlsemko.com/](#) - 41k - [Cached](#) - [Similar pages](#)

Free Download of ETL Tool

Download Full featured Data Integration and ETL Product
[www.solonde.com](#)

ETL.com

Everything you need to know about the ETL Listed mark – from its rich history to its very promising future – and the many tools that are available to ETL ...

[www.intertek-etlsemko.com/pls/cust_portal/url/page/ITK_PGR/ETL.COM_LANDING_PAGE_PG/](#) - 24k -
[Cached](#) - [Similar pages](#)

.NET ETL Tool

Visual Integration Studio Develop & Deploy Anywhere
[www.relationalolutions.com](#)

Automatically discover

data source transformations and generate Informatica ETL code
[www.exeros.com](#)

NOAA Environmental Technology Laboratory

ETL supports the strategic goals of NOAA and NOAA Research through regionally specific research efforts in weather, climate, and air quality that exploit ...

[www.etl.noaa.gov/](#) - 13k - [Cached](#) - [Similar pages](#)

ETL Central

Compare ETL Options Directory, Reviews, FAQ's
[www.rungle.com](#)

Eltarviketeollisuusliitto

[www.etl.fi/](#) - 1k - [Cached](#) - [Similar pages](#)

Etl

Looking for Etl? Find exactly what you want today.
[www.eBay.com](#)

電子技術総合研究所ホームページ - [[Translate this page](#)]

電子技術総合研究所の紹介をします。... 検索. 表示件数: 10, 20, 30, 50, 100. 要約表示: YES, NO. 言語指定: none, Japanese, English ...
[www.etl.go.jp/](#) - 7k - [Cached](#) - [Similar pages](#)

ETL Testing

Data Testing Tools & Services Reduce Risk - Preserve Integrity
[www.MGHarney.com](#)

[More Sponsored Links »](#)

ETL Portal - ETL white papers, books and articles from DM Review

For ETL related articles, books, white papers and resources visit DMReview.com. We deliver thought-provoking news and editorial. Save research time with our ...
[www.dmreview.com/portals/portal.cfm?topicId=230206](#) - 34k - [Cached](#) - [Similar pages](#)

Electrotechnical Laboratory HomePage - [Translate this page]

Bulletin of the **ETL** · Researches of the **ETL** · Circulars of the **ETL** · Summaries of Reports of the **ETL** · Research Data Base ...

www.aist.go.jp/ETL/welcome.html - 7k - [Cached](#) - [Similar pages](#)

What is ETL? - A Word Definition From the Webopedia Computer ...

This page describes the term **ETL** and lists other pages on the Web where you can find additional information.

www.webopedia.com/TERM/E/ETL.html - 43k - [Cached](#) - [Similar pages](#)

Educational Technology Leadership Program

The **Educational Technology Leadership Program** at George Washington University offers a Masters Degree to students who want to study Educational Technology, ...

www.gwu.edu/etl/ - 14k - [Cached](#) - [Similar pages](#)

Try your search again on [Google Book Search](#)

Gooooooooogle ►

Result Page: [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [Next](#)

Free! Speed up the web. [Download the Google Web Accelerator](#).

<input type="text" value="ETL"/>	<input type="button" value="Search"/>
----------------------------------	---------------------------------------

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Programs](#) - [Business Solutions](#) - [About Google](#)

©2006 Google



IT Information:
White Papers, Product Literature, Webcasts and Case Studies

FREE MEMBERSHIP - Create your personalized Bitpipe Service!

Me

Mar 8, 2006

Free Newsletters Most Popular Reports Top Topics Research Guides RSS

Search Bitpipe:

[Search Help](#) | [Advanced Search](#) | [My Se](#)

[Software](#) > [Systems Software](#) > [Databases](#) >

Data Warehouses: Vendor Reports

Browse the reports below to find the latest Data Warehouses white papers, product literature, webcasts, and case studies.

Recent Data Warehouses Vendor Reports

Show: All Vendor Reports | White Papers | Webcasts | Products | Companies

Limit Results: ALL



Sort by: Posted Date



17 Matches

[Creating Business Value with Operational Customer Data Integration and Management](#)

by IBM Master Data Management

WHITE PAPER: **Posted:** March 1, 2006 | **Published:** February 1, 2006

Download this paper to discover why organizations are turning to Customer Data Integration solutions to drive multiple strategic business initiatives.

Mo

[Gain Control of Master Data](#)

by WatchIT.com

WEBCAST: **Posted:** February 1, 2006 | **Premiered:** January 31, 2006

Master data management enables companies to gain control over core assets like customer, product, and supplier information. This program explains how to achieve its expected benefits, such as cost savings, increased revenue, and delivery of better service



E-mail A

[Addressing Data Quality at the Enterprise Level: Six Questions to Ensure Enterprise High-Quality Data](#)

by Informatica Corporation

WHITE PAPER: **Posted:** February 1, 2006 | **Published:** January 1, 2005

Data quality encompasses more than finding and fixing missing or inaccurate data, it means delivering comprehensive, consistent, relevant, and timely data to the business regardless of its application, use, or origin.



[Data Integration: Creating a Trustworthy Data Foundation for Business Intelligence](#)

by Business Objects

WHITE PAPER: **Posted:** January 30, 2006 | **Published:** January 1, 2005

This paper provides you with an overview of data warehousing and its variations plus clearly outlines the benefits of data integration and discusses different approaches mid-size organizations can take to implement a data integration solution.



[Get This Now >](#)**Gain Insight through Information Analysis and Discovery**

by WatchIT.com

WEBCAST: **Posted:** January 22, 2006 | **Premiered:** January 1, 2006

Analysis and discovery projects can yield better information, helping businesses respond quickly to threats and opportunities. This program details proven resources and methods and identifies best practices and success factors.

[Get This Now >](#)**Unlocking the Power of Reporting: How to Deliver Critical Data to End-users for Effective Decision Making**

by Symtrax Corporation

WHITE PAPER: **Posted:** January 16, 2006 | **Published:** January 1, 2005

Every organization stores data but making that data accessible, especially to end-users, can be a daunting task. This paper gives an overview of the various components required for your company to build a successful reporting system.

[Get This Now >](#)**Database Consolidation: Achieving an Enterprise-wide View of Data**

by Hewlett-Packard Company

WHITE PAPER: **Posted:** December 14, 2005 | **Published:** December 1, 2005

Organizations need to have immediate access to integrated data in order to support their customers, and internal end users. Learn about a consolidation methodology which will reduce costs, enhance operational efficiencies and improve ROI.

[Get This Now >](#)**Five Ways Data Warehouses Can Promote Visual Problem-Solving**

by Hyperion Solutions Corporation

WHITE PAPER: **Posted:** December 8, 2005 | **Published:** December 1, 2005

Read this brief and learn about the five fundamental visual design flaws most reporting and analysis products suffer from, along with best practices you can implement today.

[Get This Now >](#)**TDWI Report: Strategies and Technologies for Deploying Business Intelligence**

by Hyperion Solutions Corporation

WHITE PAPER: **Posted:** December 8, 2005 | **Published:** August 1, 2005

Learn how to transform business intelligence (BI) from a departmental solution to an enterprise one. This TDWI white paper describes techniques for selecting and standardizing BI tools, creating a scalable, enterprise BI platform.

[Get This Now >](#)**Using Master Reference Data Management to Unify Your Business**

by DataFlux Corporation

WHITE PAPER: **Posted:** September 25, 2005 | **Published:** September 22, 2005

Learn how companies assign value to information and ways they can improve value using master data management (MDM) strategies. Authored by David Loshin from Knowledge Integrity, this is an excellent resource for how - and why - to attack the MDM dilemma.



[Get This Now >](#)

DataFlux Version 7 Technology: The Convergence of Data Quality and Data Integration

by DataFlux Corporation

WHITE PAPER: **Posted:** September 25, 2005 | **Published:** September 1, 2005

This white paper explores the DataFlux Data Quality Integration Solution - and the technology that fuses elements of data quality and data integration to allow companies to intelligently build a single, unified view of the enterprise.



[Get This Now >](#)

Moving Parts, Losing Paper



by CIO Decisions

JOURNAL ARTICLE: **Posted:** September 7, 2005 | **Published:** September 1, 2005

Outside it's another sizzling day in Phoenix, with triple digits in the shade, and CSK Auto Inc. CIO Larry Buresh wishes it were hotter, "Extremes break cars," he says.

[Get This Now >](#)

HP Powers Financial Powerhouse: Raymond James Financial Experiences Growth, Agility Using Family of HP Servers



by Hewlett-Packard Company

CASE STUDY: **Posted:** August 22, 2005 | **Published:** July 1, 2005

Having a broad portfolio of HP products to choose from gives Raymond James the agility to adapt quickly to change, and the vision to employ the best technology for its needs.

[Get This Now >](#)

Boost the Impact, Value and Performance of Your Mission-Critical Applications



by SyncSort

WEBCAST: **Posted:** July 3, 2005 | **Premiered:** May 4, 2005

This Webcast will discuss the typical methods used to solve these challenges as well as the reasons why they are ineffective.

[Get This Now >](#)

Mitigate Business Intelligence Project Risks with Rule-Based Audits and Proof-of-Concepts from Syncsort



by SyncSort

WHITE PAPER: **Posted:** April 17, 2005 | **Published:** April 1, 2005

This white paper describes two methods for minimizing the risk associated with BI iterations: Rule-Based Audits and Proof-of-Concepts. Independently used, each will help you clarify and better understand risk points associated with your project.

[Get This Now >](#)**Distributed Data Warehousing with Microsoft SQL Server 2000 and Windows 2000 (2003) Datacenter Server-level 200**

by Microsoft

WEBCAST: Posted: January 5, 2005 | Premiered: May 11, 2004

IT professionals will want to view this Microsoft webcast to see the scalability of Windows 2000 Datacenter Server and Microsoft SQL Server 2000.

[Get This Now >](#)**How Data Profiling & Analysis Saves Companies \$Millions**

by Trillium Software, a division of Harte-Hanks

WHITE PAPER: Posted: June 24, 2004 | Published: June 1, 2004

Senior executives often try to gain competitive advantage for their organizations through massive investments in information technologies. Today, we demand so much from data and are so reliant upon it, that we must treat it as a business asset.

[Get This Now >](#)[To top](#)

17 Matches

Page: 1

[Read Definition: Data Warehouses](#)**Most Popular Data Warehouses Reports**

- [Addressing Data Quality at the Enterprise Level: Six Questions to Ensure Enterprise High-Quality Data](#)
by Informatica Corporation
- [Data Integration: Creating a Trustworthy Data Foundation for Business Intelligence](#)
by Business Objects
- [Creating Business Value with Operational Customer Data Integration and Management](#)
by IBM Master Data Management

[Home](#) | [About Us](#) | [Contact Us](#) | [Advertise with Us](#) | [Partner with Us](#) | [Site Map](#)**Definitions:** [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [Other](#)**What's Popular?** [Daily Top 50 Reports](#) | [Daily Top 100 Topics](#) | [Popular Report Topics](#) | [Popular Product Topics](#)**Popular Searches:** [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) [Other](#)

Bitpipe Copyright © 1998-2006 Bitpipe, Inc. All Rights Reserved.

Designated trademarks and brands are the property of their respective owners.

TechTarget · 117 Kendrick St · Needham, MA · 02494

Use of this web site constitutes acceptance of the Bitpipe [Terms and Conditions](#) and [Privacy Policy](#).info@bitpipe.com



Intelligent Business Strategies: ETL in the Database

by Colin White

One important trend in the business intelligence (BI) marketplace is toward DBMS vendors (such as IBM, Microsoft and Oracle) integrating ETL, OLAP and data mining features into their database products. Given that many of these capabilities are available for free or at little cost, organizations are asking, "Why should we purchase a third-party BI tool when we can get the BI capabilities for free from our DBMS vendor?" In the next two columns, I will try to answer this question.

To evaluate database ETL processing, organizations need to understand the level and type of ETL capabilities being offered by DBMS vendors. These fall into three basic groups:

- *Coexistent ETL* facilities that can be directly exploited by ETL tools and user-coded applications to improve productivity and performance.
- *Substitute ETL* facilities that replace certain types of ETL tool processing by equivalent capabilities in the DBMS, with the objective of reducing ETL development time and eliminating the need for certain ETL tool components.
- *Competitive ETL* tools that directly compete with third-party BI products.

Two examples of *coexistent ETL* facilities are DBMS improvements to the manipulative and analytical power of the SQL language for data transformation and aggregation, and the ability for developers to code and maintain database stored procedures written in either a scripting language or a programming language such as Java. User-coded ETL applications and vendor ETL tools can both make use of these capabilities. The primary benefits of doing this are that the DBMS can exploit its optimization, parallel processing and scalability features to provide good performance when executing these SQL statements and stored procedures. The ability to maintain stored procedures in a common recoverable data store is also an advantage.

One example of a *substitute ETL* facility is the ability of DBMS products to use SQL or stored procedures to access *foreign* data stores and application middleware. This facility could, in some situations, eliminate the need for third-party ETL tool adapters that access source information during extract processing. DBMS vendors, for example, are now beginning to provide the ability to issue SQL statements that can interact with Web services-based applications and the queues of messaging products. These latter facilities are particularly useful for building and maintaining a near real-time data warehouse. One key advantage of the third-party ETL products here, however, is that they support a wider range of data sources and usually have better meta data facilities in this area than DBMSs.

Another example of a substitute ETL facility is a *materialized view*.¹ These view definitions can be used to define an aggregated summary table that is automatically updated whenever one or more associated tables of detailed data are modified. This means that as detailed data flows in a data warehouse, summary tables are automatically maintained by the DBMS. It is important to point out that summary tables created using materialized views may not be as flexible as independent summary tables created by ETL tools because of restrictions in materialized view implementation of some database products.

Most DBMS vendors offer graphical ETL development tools that exploit the ETL capabilities of their database systems. These competitive ETL tools provide many of the features offered by third-party ETL tools but at zero cost, or for a license fee that is a fraction of that of independent tools. Examples here include the IBM Data Warehouse Center (which is provided with DB2) and DB2 Warehouse Manager, Microsoft Data Transformation Services (which is included in SQL Server), and Oracle9i Data Warehouse Builder (which is a component of the Oracle9i Developer Suite).

At present, DBMS ETL development tools vary considerably in the functionality they provide; and independent ETL tools still offer important additional benefits in terms of the data sources supported, transformation power and administration capabilities. The DBMS ETL tools, however, are very useful for building departmental data marts.

I expect DBMS vendors to continue to enhance their ETL capabilities and compete aggressively with the third-party ETL tool suppliers to increase their share of the BI market. The recent release of Oracle9i Data Warehouse Builder and Microsoft's plans for the next release of SQL Server (code name Yukon) are a clear indication of this. IBM is also continuing to improve DB2's ETL capabilities, but is not as aggressive in its development plans or marketing as Microsoft and Oracle.

In summary, the ETL capabilities being offered by DBMS vendors both enhance and compete with independent ETL tools. It is likely in many installations that a mix of DBMSs, third-party software and in-house developed ETL capabilities will be used, and careful determination of requirements and evaluation of products is therefore required.

Reference:

1. An excellent book on the use of SQL extensions and materialized views for BI can be found in the IBM Redbook entitled "DB2 UDB's High Function Business Intelligence in e-business," IBM document number SG24-6546. This book can be found online at ibm.com/redbooks.

Colin White is the founder of BI Research. White is well known for his in-depth knowledge of leading-edge business intelligence and enterprise business integration technologies and how they can be used to build a smart and agile business. With more than 35 years of IT experience, he has consulted for dozens of companies throughout the world and is a frequent speaker at leading IT events. White is also conference chair for DCI's Portals, Collaboration and Content Management conference. He has written numerous articles on business intelligence and enterprise business integration. White may be reached at info@bi-research.com.

Copyright 2006, SourceMedia and DM Review.